Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

US-

te for form 1449A/PTO

Sheet

 Complete if Known

 Application Number
 09/863,676

 Filing Date
 May 21, 2001

 First Named Inventor
 Frank L. Hall

 Group Art Unit
 1725

 Examiner Name
 S. Heinrich

 Attorney Docket Number
 2269-4718US (00-0316.00/US)

			U.S. PATENT D	OCUMEN 15		
Examiner Initials *	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant	
		Number - Kind Code <sup>2</sup> (If known)		Cited Document	Passages or Relevant Figures Appear	
ont		US-4,904,498	02/1990	Wu		
7		US- 5,852,870	12/1998	Freyman et al.		
7		US- 5,928,533	07/1999	Benea et al.		
$T^{-}$		US- 6,281,090	08/2001	Kukanskis et al.		
		US- 6,866,910	03/2005	Kamezaki et al.		
TH		US- 2002/0089058	07/2002	Hedler et al.		
-		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-	1			
		US-				
		US-				
		US-				
		US-				
		US-				

Examiner Initials*	Cite	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				T <sup>c</sup>
sout		JP 360097643 A	06/1985	Mitsubishi Electric Corp.		×
		JP 403155488 A	07/1991	NOK Corp.		X
		JP 05144093 A	06/1993	Seiko Epson Corp.		X
		JP 408167769 A	06/1996	Polyplastics		×
suff		JP 11006073 A	01/1999	Ornron KK	·	X
		<del></del>	+			

Examiner Signature	S. Henrich	Date Considered	L-10-26
Orginature	ン 「	Considered	61400

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-01)

Approved for use through 10/31/2006. OMB 0651-0031

2269-4718US (00-0316.00/US)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## Substitute for the complete if Known INFORMATION DISCLOSURE STATEMENT BY APPLICANT First Named Inventor Group Art Unit Group Art Unit I725 (use as many sheets as necessary) Complete if Known 09/863,676 Filing Date First Named Inventor Group Art Unit 1725 Examiner Name S. Heinrich

Attorney Docket Number

Sheet

of

		T	OCUMENTS		
Examiner Initials *	Cite No.	Number - Kind Code <sup>2</sup> (if Inown)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SMIT	-	US-4,987,286	01/22/1991	Allen	
1		US- 5,023,424	06/11/1991	Vaught	
$\neg$		US- 5,495,126	02/27/1996	lguchi et al.	
$\neg \neg$		US- 5,634,230	06/03/1997	Maurer	
		US- 5,950,071	09/07/1999	Hammond et al.	
		US- 6,566,169 B1	05/20/2003	Uziel et al.	
mt.		US- 2004/0209376 A1	10/21/2004	Natan et al.	
		US-			
		US-	_		
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	1
Initials*	No.1	Country Code <sup>3</sup> · Number <sup>4</sup> · Kind Code <sup>3</sup> (If known)	Publication Date MM-DD-YYYY	Applicant of Cited  Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
·			<del>                                     </del>			
		<del></del>	-			
<del></del>			<del>                                     </del>			

Examiner Signature	S. Heinrich	Date Considered	6.14-06

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.